EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	43	(coupl$3 and annular and (detector or photodiode or photodetector or receiver) and convex).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/13 09:10
L2	5	(("6639203") or ("3825322") or ("6330057") or ("5084711") or ("5343487")).PN.	US-PGPUB; USPAT	OR	OFF	2006/07/13 09:10
S2	97	("5596198" "4776340" "5266811" "5281805" "5640380" "4315147" "5250796" "5475210" "5652655" "5761229" "5771254" "4387973" "4433913" "4596466" "4800269" "5206708" "5293393" "5305294" "5346789" "5394385" "5448161" "5470690" "5530577" "5809050" "5835514" "5953477" "6094265" "6144791" "6174424" "6199985" "6222970" "6222970" "4357104" "4370058" "4464572" "4468093" "4551629" "4596051" "4595839" "4597349" "4763969" "4826316" "4876569" "4929822" "4947036" "5216248" "5229806" "5247493" "5293372" "5499098").pn. ("5555339" "5568458" "5581094" "5598394" "5612780" "5631885" "5719948" "5740148" "5867586" "5910837" "5956139" "6043482" "6115555" "6172745" "6175409" "6211996" "6219475" "6211996" "6219475" "6243509" "4256403" "4271536" "4277846" "4282408" "4300133" "4333178" "4365864" "4380240" "4451785" "4463253" "4505572" "4510938" "4511248" "4516252" "4516022" "4518259" "4521681" "4532634" "4553848" "4577189" "4591241" "4596460" "4604637" "4609816" "4611124" "4628197" "4629903" "4762418" "4764015" "4783852").pn.	USPAT	OR	OFF	2004/12/08 14:40
S3	19	("5953477").URPN.	USPAT	OR	OFF	2004/12/08 14:49

EAST Search History

S4	35	("3796905" \| "3874783" \| "3906241" \| "3910677" \| "4191446" \| "4380365" \| "4449535" \| "4573761" \| "4615581" \| "4654532" \| "4707134" \| "4812003" \| "4816670" \| "4914284" \| "4919891" \| "4979797" \| "4995691" \| "5011254" \| "5011279" \| "5037180" \| "5074632" \| "5112127" \| "5146917" \| "5166756" \| "5196005" \| "5253312" \| "5263952" \| "5269777" \| "5330465" \| "5402508" \| "5404218" \| "5421928" \| "5432880" \| "5710626" \| "5764840").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/08 15:12
S5	9	(("6253004") or ("4834484") or ("4961622") or ("5052772") or ("5896475") or ("3419321") or ("3848970") or ("3980391") or ("4128302")).PN.	US-PGPUB; USPAT	OR	OFF	2004/12/08 15:19
S6	2	S5 and (detector$1 or sensor$1 or photo$detector$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 15:26

EAST Search History

S7	92	(US-20020110320-$ or US-20030072526-$ or US-20040114860-$).did. or (US-1202223-$ or US-2101016-$ or US-2405989-$ or US-2458401-$ or US-3419321-$ or US-3547526-$ or US-3848970-$ or US-3980391-$ or US-4027945-$ or US-4099848-$ or US-4128302-$ or US-4181439-$ or US-4314760-$ or US-4476519-$ or US-4483585-$ or US-4505539-$ or US-4556787-$ or US-4576436-$ or US-4771415-$ or US-4834484-$ or US-4961622-$ or US-4963022-$ or US-4997250-$ or US-5052772-$ or US-5293395-$ or US-5418631-$).did. or (US-5604592-$ or US-5612099-$ or US-5638396-$ or US-5729024-$ or US-5781304-$ or US-5793489-$ or US-5814152-$ or US-5818062-$ or US-5835514-$ or US-5896475-$ or US-5929436-$ or US-5956143-$ or US-5970189-$ or US-5974211-$ or US-6108497-$ or US-6360039-$ or US-6496621-$ or US-6536959-$ or US-6567584-$ or US-6780274-$).did. or (WO-200205004-$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 15:26

EAST Search History

S8	46	(US-20020110320-$ or US-20030072526-$ or US-20040114860-$).did. or (US-1202223-$ or US-2101016-$ or US-2405989-$ or US-2458401-$ or US-3419321-$ or US-3547526-$ or US-3848970-$ or US-3980391-$ or US-4027945-$ or US-4099848-$ or US-4128302-$ or US-4181439-$ or US-4314760-$ or US-4476519-$ or US-4483585-$ or US-4505539-$ or US-4556787-$ or US-4576436-$ or US-4771415-$ or US-4834484-$ or US-4961622-$ or US-4963022-$ or US-4997250-$ or US-5052772-$ or US-5293395-$ or US-5418631-$).did. or (US-5604592-$ or US-5612099-$ or US-5638396-$ or US-5729024-$ or US-5781304-$ or US-5793489-$ or US-5814152-$ or US-5818062-$ or US-5835514-$ or US-5896475-$ or US-5929436-$ or US-5956143-$ or US-5970189-$ or US-5974211-$ or US-6108497-$ or US-6360039-$ or US-6496621-$ or US-6536959-$ or US-6567584-$ or US-6780274-$).did. or (WO-200205004-$).did.	USPAT	OR	OFF	2004/12/08 15:25
S9	30	S7 and (detector$1 or sensor$1 or photo$detector$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 17:34
S10	2	("6496621").URPN.	USPAT	OR	OFF	2004/12/08 15:36
S11	6	("5381499" \| "5504826" \| "5661835" \| "5963696" \| "6064786" \| "6264377").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/08 15:37
S12	964	(((flat or planar or plano) and (convex or curve$1 or spheric$1 or round$2)) with len$2)) same ((detector or sensor or photo$detector or (photo near2 detector))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:18
S13	27	S12 and "385"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 15:45

EAST Search History

S14	0	("2004/0047535").URPN.	USPAT	OR	OFF	2004/12/08 15:58
S15	83	(((flat or planar or plano) and (convex or curve$1 or spheric$1 or round$2)) with len$2)) same ((detector or sensor or photo$detector or (photo near2 detector)) same ((optical with (fiber$1 or fibre$1)) or wave$guide$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 16:47
S16	66	S15 not S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 16:27
S17	60	(US-20030072526-$ or US-20040047535-$ or US-20020134138-$ or US-20030016420-$ or US-20030067049-$ or US-20030113231-$ or US-20040160682-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-4357104-$ or US-4380365-$ or US-4449535-$ or US-4516252-$ or US-4591241-$ or US-4596460-$ or US-4763969-$ or US-4764015-$ or US-4816670-$ or US-4914284-$ or US-5011254-$ or US-5011279-$ or US-5074632-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5432880-$ or US-5598394-$ or US-5631885-$).did. or (US-5652655-$ or US-5764840-$ or US-5953477-$ or US-6144791-$ or US-6172745-$ or US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6366726-$ or US-6614958-$ or US-6701181-$ or US-6731437-$ or US-6496621-$ or US-6822794-$ or US-5963696-$ or US-4818860-$ or US-4572669-$ or US-4755054-$ or US-5436719-$ or US-5946084-$ or US-6320184-$ or US-6490040-$ or US-6538736-$).did. or (US-3514200-$).did. or (GB-2178554-$).did. or (JP-06059165-$).did. or (EP-702230-$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/12/08 16:47

EAST Search History

S18	0	S17 and (((flat or planar or plano) and (convex or curve$1 or spheric$1 or round$2)) with len$2)) same ((detector or sensor or photo$detector or (photo near2 detector)) same ((optical with (fiber$1 or fibre$1)) or wave$guide$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 16:47
S19	225	((fiber$1 or fibre$1 or wave$guide$1) and (back with reflect$5)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 17:34
S20	51	S19 and (detector$1 or sensor$1 or photo$detector$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 17:34
S21	964	(((flat or planar or plano) and (convex or curve$1 or spheric$1 or round$2)) with len$2)) same ((detector or sensor or photo$detector or (photo near2 detector))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:16
S22	27	S21 and "385"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:16
S23	83	(((flat or planar or plano) and (convex or curve$1 or spheric$1 or round$2)) with len$2)) same ((detector or sensor or photo$detector or (photo near2 detector)) same ((optical with (fiber$1 or fibre$1)) or wave$guide$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:16
S24	66	S23 not S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:16

EAST Search History

S25	60	(US-20030072526-$ or US-20040047535-$ or US-20020134138-$ or US-20030016420-$ or US-20030067049-$ or US-20030113231-$ or US-20040160682-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-4357104-$ or US-4380365-$ or US-4449535-$ or US-4516252-$ or US-4591241-$ or US-4596460-$ or US-4763969-$ or US-4764015-$ or US-4816670-$ or US-4914284-$ or US-5011254-$ or US-5011279-$ or US-5074632-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5432880-$ or US-5598394-$ or US-5631885-$).did. or (US-5652655-$ or US-5764840-$ or US-5953477-$ or US-6144791-$ or US-6172745-$ or US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6366726-$ or US-6614958-$ or US-6701181-$ or US-6731437-$ or US-6496621-$ or US-6822794-$ or US-5963696-$ or US-4818860-$ or US-4572669-$ or US-4755054-$ or US-5436719-$ or US-5946084-$ or US-6320184-$ or US-6490040-$ or US-6538736-$).did. or (US-3514200-$).did. or (GB-2178554-$).did. or (JP-06059165-$).did. or (EP-702230-$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/12/09 08:16
S26	870	S21 not (S25 or S24 or S22)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:20
S27	110	(((flat or planar or plano) and (convex or curve$1 or spheric$1 or round$2)) with len$2)) same ((detector or sensor or photo$detector or (photo near2 detector)) and ((optical with (fiber$1 or fibre$1) or wave$guide$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:19

EAST Search History

S28	110	(((flat or planar or plano) and (convex or curve$1 or spheric$1 or round$2)) with len$2)) same ((detector or sensor or photo$detector or (photo near2 detector)) and ((optical with (fiber$1 or fibre$1)) or wave$guide$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:25
S29	27	S28 not (S25 or S24 or S22)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:25
S30	129	(((flat or planar or plano) and (convex or curve$1 or spheric$1 or round$2)) with len$2)) same ((detector$1 or sensor$1 or photo$detector$1 or (photo near2 detector$1)) and ((optical with (fiber$1 or fibre$1)) or wave$guide$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:45
S31	46	S30 not (S25 or S24 or S22)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:47
S32	16728	len$2 same (detector$1 or sensor$1 or photo$detector$1 or (photo near2 detector$1)) and ((optical with (fiber$1 or fibre$1)) or wave$guide$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:48
S33	16585	S32 not (S25 or S24 or S22 or S30 or S31)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:47
S34	2366	S33 and "385"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:49

EAST Search History

S35	384	S33 and 385/33,35.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:49
S36	8882	len$2 same (detector$1 or sensor$1 or photo$detector$1 or (photo near2 detector$1)) same ((optical with (fiber$1 or fibre$1)) or wave$guide$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:48
S37	1691	S36 and "385"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:49
S38	292	S36 and 385/33,35.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 08:49
S39	98	S38 and (back with (reflect$4 or coupl$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 10:26
S40	8	("5546486").URPN.	USPAT	OR	OFF	2004/12/09 09:08
S41	6	("3883353" \| "4581528" \| "4747660" \| "4812005" \| "5073002" \| "5208876").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/09 09:09
S42	0	("2004/0126059").URPN.	USPAT	OR	OFF	2004/12/09 09:39
S43	153	S38 not S39	USPAT	OR	OFF	2004/12/09 09:39
S44	6	("4830454").URPN.	USPAT	OR	OFF	2004/12/09 09:45
S45	5	("3628027" \| "4256365" \| "4380365" \| "4721353" \| "4753521").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/09 09:46

EAST Search History

S46	80	(US-20030072526-$ or US-20040047535-$ or US-20020134138-$ or US-20030016420-$ or US-20030067049-$ or US-20030113231-$ or US-20040160682-$ or US-20030138210-$ or US-20030053751-$ or US-20020118920-$ or US-20030012513-$ or US-20040101247-$ or US-20040126059-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-4357104-$ or US-4380365-$ or US-4449535-$ or US-4516252-$ or US-4591241-$ or US-4596460-$ or US-4763969-$ or US-4764015-$ or US-4816670-$ or US-4914284-$ or US-5011254-$ or US-5011279-$ or US-5074632-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5432880-$ or US-5598394-$ or US-5631885-$).did. or (US-5652655-$ or US-5764840-$ or US-5953477-$ or US-6144791-$ or US-6172745-$ or US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6366726-$ or US-6614958-$ or US-6701181-$ or US-6731437-$ or US-6496621-$ or US-6822794-$ or US-5963696-$ or US-4818860-$ or US-4572669-$ or US-4755054-$ or US-5436719-$ or US-5946084-$ or US-6320184-$ or US-6490040-$ or US-6538736-$ or US-5013120-$ or US-6168319-$ or US-4021099-$ or US-4050782-$).did. or (US-4290667-$ or US-4479697-$ or US-4978190-$ or US-5546486-$ or US-6469835-$ or US-4637681-$ or US-4773722-$ or US-4830454-$ or US-5900986-$ or US-4957342-$).did. or (US-3514200-$).did. or (GB-2178554-$).did. or (JP-06059165-$).did. or (EP-702230-$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/12/09 10:24

EAST Search History

S47	38	S46 and (back with (reflect$4 or coupl$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 13:36

EAST Search History

S48	80	(US-20030072526-$ or US-20040047535-$ or US-20020134138-$ or US-20030016420-$ or US-20030067049-$ or US-20030113231-$ or US-20040160682-$ or US-20030138210-$ or US-20030053751-$ or US-20020118920-$ or US-20030012513-$ or US-20040101247-$ or US-20040126059-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-4357104-$ or US-4380365-$ or US-4449535-$ or US-4516252-$ or US-4591241-$ or US-4596460-$ or US-4763969-$ or US-4764015-$ or US-4816670-$ or US-4914284-$ or US-5011254-$ or US-5011279-$ or US-5074632-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5432880-$ or US-5598394-$ or US-5631885-$).did. or (US-5652655-$ or US-5764840-$ or US-5953477-$ or US-6144791-$ or US-6172745-$ or US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6366726-$ or US-6614958-$ or US-6701181-$ or US-6731437-$ or US-6496621-$ or US-6822794-$ or US-5963696-$ or US-4818860-$ or US-4572669-$ or US-4755054-$ or US-5436719-$ or US-5946084-$ or US-6320184-$ or US-6490040-$ or US-6538736-$ or US-5013120-$ or US-6168319-$ or US-4021099-$ or US-4050782-$).did. or (US-4290667-$ or US-4479697-$ or US-4978190-$ or US-5546486-$ or US-6469835-$ or US-4637681-$ or US-4773722-$ or US-4830454-$ or US-5900986-$ or US-4957342-$).did. or (US-3514200-$).did. or (GB-2178554-$).did. or (JP-06059165-$).did. or (EP-702230-$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/12/09 13:36

EAST Search History

S49	26	S48 and (annular or ring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 13:36
S50	13	S48 and ((annular or ring) with light$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 13:36
S52	32	US-6536959-$.DID. OR US-3271631-$.DID. OR US-3936742-$.DID. OR US-4408871-$.DID. OR US-4490618-$.DID. OR US-4678269-$.DID. OR US-4681414-$.DID. OR US-4755036-$.DID. OR US-4765703-$.DID. OR US-4816912-$.DID. OR US-4818058-$.DID. OR US-4829537-$.DID. OR US-4842390-$.DID. OR US-4894785-$.DID. OR US-4935029-$.DID. OR US-4943128-$.DID. OR US-4976727-$.DID. OR US-5001323-$.DID. OR US-5029101-$.DID. OR US-5029973-$.DID. OR US-5047076-$.DID. OR US-5170406-$.DID. OR US-5312398-$.DID. OR US-5354323-$.DID. OR US-5400145-$.DID. OR US-5402258-$.DID. OR US-5404869-$.DID. OR US-5414600-$.DID. OR US-5415652-$.DID. OR US-5430634-$.DID. OR US-5458594-$.DID. OR US-5467104-$.DID.	USPAT	OR	ON	2005/06/21 15:29

EAST Search History

S53	32	US-5470314-$.DID. OR US-5491344-$.DID. OR US-5495576-$.DID. OR US-5509095-$.DID. OR US-5530709-$.DID. OR US-5577492-$.DID. OR US-5594752-$.DID. OR US-5596339-$.DID. OR US-5600126-$.DID. OR US-5613769-$.DID. OR US-5659327-$.DID. OR US-5676453-$.DID. OR US-5677920-$.DID. OR US-5773817-$.DID. OR US-5777342-$.DID. OR US-5790576-$.DID. OR US-5793783-$.DID. OR US-5799543-$.DID. OR US-5802092-$.DID. OR US-5806955-$.DID. OR US-5832055-$.DID. OR US-5836667-$.DID. OR US-5861995-$.DID. OR US-5866911-$.DID. OR US-5936777-$.DID. OR US-5952668-$.DID. OR US-5993466-$.DID. OR US-5993467-$.DID. OR US-5998215-$.DID. OR US-6008781-$.DID. OR US-6075650-$.DID. OR US-6139517-$.DID.	USPAT	OR	ON	2005/06/21 15:35

EAST Search History

S54	32	US-6160916-$.DID. OR US-6186648-$.DID. OR US-6222864-$.DID. OR US-6254563-$.DID. OR US-6259104-$.DID. OR US-6317103-$.DID. OR US-6324326-$.DID. OR US-6349159-$.DID. OR US-6356572-$.DID. OR US-6366338-$.DID. OR US-6410213-$.DID. OR US-6411835-$.DID. OR US-4317085-$.DID. OR US-4466694-$.DID. OR US-4660207-$.DID. OR US-4675058-$.DID. OR US-4784722-$.DID. OR US-4885592-$.DID. OR US-4901327-$.DID. OR US-4943970-$.DID. OR US-4956844-$.DID. OR US-5031187-$.DID. OR US-5052016-$.DID. OR US-5056098-$.DID. OR US-5062115-$.DID. OR US-5068869-$.DID. OR US-5079774-$.DID. OR US-5115442-$.DID. OR US-5117469-$.DID. OR US-5140605-$.DID. OR US-5157537-$.DID. OR US-5158908-$.DID.	USPAT	OR	ON	2005/06/21 15:36

EAST Search History

S55	32	US-5212706-$.DID. OR US-5216263-$.DID. OR US-5216680-$.DID. OR US-5237581-$.DID. OR US-5245622-$.DID. OR US-5258990-$.DID. OR US-5262360-$.DID. OR US-5285466-$.DID. OR US-5293392-$.DID. OR US-5317170-$.DID. OR US-5317587-$.DID. OR US-5325386-$.DID. OR US-5331654-$.DID. OR US-5737074-$.DID. OR US-5737183-$.DID. OR US-5349599-$.DID. OR US-5351256-$.DID. OR US-5359447-$.DID. OR US-5359618-$.DID. OR US-5363397-$.DID. OR US-5373520-$.DID. OR US-5773522-$.DID. OR US-5376580-$.DID. OR US-5386426-$.DID. OR US-5390209-$.DID. OR US-5796508-$.DID. OR US-5404373-$.DID. OR US-5412678-$.DID. OR US-5412680-$.DID. OR US-5416044-$.DID. OR US-5428634-$.DID. OR US-5438584-$.DID.	USPAT	OR	ON	2005/06/21 15:36

EAST Search History

S56	32	US-5446754-$.DID. OR US-5465263-$.DID. OR US-5475701-$.DID. OR US-5493577-$.DID. OR US-5497390-$.DID. OR US-5513202-$.DID. OR US-5530715-$.DID. OR US-5555255-$.DID. OR US-5557626-$.DID. OR US-5561683-$.DID. OR US-5567980-$.DID. OR US-5568498-$.DID. OR US-5568499-$.DID. OR US-5574738-$.DID. OR US-5581571-$.DID. OR US-5586131-$.DID. OR US-5590145-$.DID. OR US-5598100-$.DID. OR US-5606572-$.DID. OR US-5625729-$.DID. OR US-5642376-$.DID. OR US-5645462-$.DID. OR US-5646978-$.DID. OR US-5648978-$.DID. OR US-5679963-$.DID. OR US-5692083-$.DID. OR US-5696023-$.DID. OR US-5699373-$.DID. OR US-5712188-$.DID. OR US-5726805-$.DID. OR US-5727013-$.DID. OR US-5727014-$.DID.	USPAT	OR	ON	2005/06/21 15:37

EAST Search History

S57	32	US-5774487-$.DID. OR US-5778018-$.DID. OR US-5781575-$.DID. OR US-5784399-$.DID. OR US-4790733-$.DID. OR US-5805624-$.DID. OR US-5818066-$.DID. OR US-5828684-$.DID. OR US-5838705-$.DID. OR US-5838715-$.DID. OR US-5892784-$.DID. OR US-5892727-$.DID. OR US-5896408-$.DID. OR US-5901166-$.DID. OR US-5903588-$.DID. OR US-5903589-$.DID. OR US-5903590-$.DID. OR US-5908408-$.DID. OR US-5936266-$.DID. OR US-5940422-$.DID. OR US-5953362-$.DID. OR US-5978401-$.DID. OR US-5978408-$.DID. OR US-5995531-$.DID. OR US-6002705-$.DID. OR US-6008675-$.DID. OR US-6014395-$.DID. OR US-6043104-$.DID. OR US-6046065-$.DID. OR US-6055262-$.DID. OR US-6052398-$.DID. OR US-6060743-$.DID.	USPAT	OR	ON	2005/06/21 15:37

EAST Search History

S58	32	US-6078601-$.DID. OR US-6086263-$.DID. OR US-6133590-$.DID. OR US-6144682-$.DID. OR US-6154480-$.DID. OR US-6185241-$.DID. OR US-6191890-$.DID. OR US-6208681-$.DID. OR US-6212312-$.DID. OR US-6238944-$.DID. OR US-6269109-$.DID. OR US-6297068-$.DID. OR US-6302596-$.DID. OR US-6339496-$.DID. OR US-6369403-$.DID. OR US-6372533-$.DID. OR US-6392257-$.DID. OR US-6410941-$.DID. OR US-6411638-$.DID. OR US-6427066-$.DID. OR US-6455879-$.DID. OR US-6459709-$.DID. OR US-6459713-$.DID. OR US-6462360-$.DID. OR US-6472694-$.DID. OR US-6477285-$.DID. OR US-6487230-$.DID. OR US-6487231-$.DID. OR US-6490711-$.DID. OR US-6493371-$.DID. OR US-6493372-$.DID. OR US-6493173-$.DID.	USPAT	OR	ON	2005/06/21 15:38
S59	8	US-6496621-$.DID. OR US-6498358-$.DID. OR US-6501973-$.DID. OR US-6515308-$.DID. OR US-6535541-$.DID. OR US-6542531-$.DID. OR US-6567435-$.DID. OR US-6536959-$.DID.	USPAT	OR	ON	2005/06/21 15:38
S60	2	(("20010004414") or ("20030072526")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/21 15:39
S61	233	S52 S53 S54 S55 S56 S57 S58 S59 S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/21 15:40

EAST Search History

S62	32	US-6536959-$.DID. OR US-3271631-$.DID. OR US-3936742-$.DID. OR US-4408871-$.DID. OR US-4490618-$.DID. OR US-4678269-$.DID. OR US-4681414-$.DID. OR US-4755036-$.DID. OR US-4765703-$.DID. OR US-4816912-$.DID. OR US-4818058-$.DID. OR US-4829537-$.DID. OR US-4842390-$.DID. OR US-4894785-$.DID. OR US-4935029-$.DID. OR US-4943128-$.DID. OR US-4976727-$.DID. OR US-5001323-$.DID. OR US-5029101-$.DID. OR US-5029973-$.DID. OR US-5047076-$.DID. OR US-5170406-$.DID. OR US-5312398-$.DID. OR US-5354323-$.DID. OR US-5400145-$.DID. OR US-5402258-$.DID. OR US-5404869-$.DID. OR US-5414600-$.DID. OR US-5415652-$.DID. OR US-5430634-$.DID. OR US-5458594-$.DID. OR US-5467104-$.DID.	USPAT	OR	ON	2005/06/22 09:57

EAST Search History

S63	32	US-5470314-$.DID. OR US-5491344-$.DID. OR US-5495576-$.DID. OR US-5509095-$.DID. OR US-5530709-$.DID. OR US-5577492-$.DID. OR US-5594752-$.DID. OR US-5596339-$.DID. OR US-5600126-$.DID. OR US-5613769-$.DID. OR US-5659327-$.DID. OR US-5676453-$.DID. OR US-5677920-$.DID. OR US-5773817-$.DID. OR US-5777342-$.DID. OR US-5790576-$.DID. OR US-5793783-$.DID. OR US-5799543-$.DID. OR US-5802092-$.DID. OR US-5806955-$.DID. OR US-5832055-$.DID. OR US-5836667-$.DID. OR US-5861995-$.DID. OR US-5866911-$.DID. OR US-5936777-$.DID. OR US-5952668-$.DID. OR US-5993466-$.DID. OR US-5993467-$.DID. OR US-5998215-$.DID. OR US-6008781-$.DID. OR US-6075650-$.DID. OR US-6139517-$.DID.	USPAT	OR	ON	2005/06/22 09:57

EAST Search History

S64	32	US-6160916-$.DID. OR US-6186648-$.DID. OR US-6222864-$.DID. OR US-6254563-$.DID. OR US-6259104-$.DID. OR US-6317103-$.DID. OR US-6324326-$.DID. OR US-6349159-$.DID. OR US-6356572-$.DID. OR US-6366338-$.DID. OR US-6410213-$.DID. OR US-6411835-$.DID. OR US-4317085-$.DID. OR US-4466694-$.DID. OR US-4660207-$.DID. OR US-4675058-$.DID. OR US-4784722-$.DID. OR US-4885592-$.DID. OR US-4901327-$.DID. OR US-4943970-$.DID. OR US-4956844-$.DID. OR US-5031187-$.DID. OR US-5052016-$.DID. OR US-5056098-$.DID. OR US-5062115-$.DID. OR US-5068869-$.DID. OR US-5079774-$.DID. OR US-5115442-$.DID. OR US-5117469-$.DID. OR US-5140605-$.DID. OR US-5157537-$.DID. OR US-5158908-$.DID.	USPAT	OR	ON	2005/06/22 09:57

EAST Search History

S65	32	US-5212706-$.DID. OR US-5216263-$.DID. OR US-5216680-$.DID. OR US-5237581-$.DID. OR US-5245622-$.DID. OR US-5258990-$.DID. OR US-5262360-$.DID. OR US-5285466-$.DID. OR US-5293392-$.DID. OR US-5317170-$.DID. OR US-5317587-$.DID. OR US-5325386-$.DID. OR US-5331654-$.DID. OR US-5737074-$.DID. OR US-5737183-$.DID. OR US-5349599-$.DID. OR US-5351256-$.DID. OR US-5359447-$.DID. OR US-5359618-$.DID. OR US-5363397-$.DID. OR US-5373520-$.DID. OR US-5773522-$.DID. OR US-5376580-$.DID. OR US-5386426-$.DID. OR US-5390209-$.DID. OR US-5796508-$.DID. OR US-5404373-$.DID. OR US-5412678-$.DID. OR US-5412680-$.DID. OR US-5416044-$.DID. OR US-5428634-$.DID. OR US-5438584-$.DID.	USPAT	OR	ON	2005/06/22 09:57

EAST Search History

S66	32	US-5446754-$.DID. OR US-5465263-$.DID. OR US-5475701-$.DID. OR US-5493577-$.DID. OR US-5497390-$.DID. OR US-5513202-$.DID. OR US-5530715-$.DID. OR US-5555255-$.DID. OR US-5557626-$.DID. OR US-5561683-$.DID. OR US-5567980-$.DID. OR US-5568498-$.DID. OR US-5568499-$.DID. OR US-5574738-$.DID. OR US-5581571-$.DID. OR US-5586131-$.DID. OR US-5590145-$.DID. OR US-5598100-$.DID. OR US-5606572-$.DID. OR US-5625729-$.DID. OR US-5642376-$.DID. OR US-5645462-$.DID. OR US-5646978-$.DID. OR US-5648978-$.DID. OR US-5679963-$.DID. OR US-5692083-$.DID. OR US-5696023-$.DID. OR US-5699373-$.DID. OR US-5712188-$.DID. OR US-5726805-$.DID. OR US-5727013-$.DID. OR US-5727014-$.DID.	USPAT	OR	ON	2005/06/22 09:57

EAST Search History

S67	32	US-5774487-$.DID. OR US-5778018-$.DID. OR US-5781575-$.DID. OR US-5784399-$.DID. OR US-4790733-$.DID. OR US-5805624-$.DID. OR US-5818066-$.DID. OR US-5828684-$.DID. OR US-5838705-$.DID. OR US-5838715-$.DID. OR US-5892784-$.DID. OR US-5892727-$.DID. OR US-5896408-$.DID. OR US-5901166-$.DID. OR US-5903588-$.DID. OR US-5903589-$.DID. OR US-5903590-$.DID. OR US-5908408-$.DID. OR US-5936266-$.DID. OR US-5940422-$.DID. OR US-5953362-$.DID. OR US-5978401-$.DID. OR US-5978408-$.DID. OR US-5995531-$.DID. OR US-6002705-$.DID. OR US-6008675-$.DID. OR US-6014395-$.DID. OR US-6043104-$.DID. OR US-6046065-$.DID. OR US-6055262-$.DID. OR US-6052398-$.DID. OR US-6060743-$.DID.	USPAT	OR	ON	2005/06/22 09:57

EAST Search History

S68	32	US-6078601-$.DID. OR US-6086263-$.DID. OR US-6133590-$.DID. OR US-6144682-$.DID. OR US-6154480-$.DID. OR US-6185241-$.DID. OR US-6191890-$.DID. OR US-6208681-$.DID. OR US-6212312-$.DID. OR US-6238944-$.DID. OR US-6269109-$.DID. OR US-6297068-$.DID. OR US-6302596-$.DID. OR US-6339496-$.DID. OR US-6369403-$.DID. OR US-6372533-$.DID. OR US-6392257-$.DID. OR US-6410941-$.DID. OR US-6411638-$.DID. OR US-6427066-$.DID. OR US-6455879-$.DID. OR US-6459709-$.DID. OR US-6459713-$.DID. OR US-6462360-$.DID. OR US-6472694-$.DID. OR US-6477285-$.DID. OR US-6487230-$.DID. OR US-6487231-$.DID. OR US-6490711-$.DID. OR US-6493371-$.DID. OR US-6493372-$.DID. OR US-6493173-$.DID.	USPAT	OR	ON	2005/06/22 09:57
S69	8	US-6496621-$.DID. OR US-6498358-$.DID. OR US-6501973-$.DID. OR US-6515308-$.DID. OR US-6535541-$.DID. OR US-6542531-$.DID. OR US-6567435-$.DID. OR US-6536959-$.DID.	USPAT	OR	ON	2005/06/22 09:57
S70	2	(("20010004414") or ("20030072526")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/22 09:57
S71	233	S62 S63 S64 S65 S66 S67 S68 S69 S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 09:57

EAST Search History

S72	72	S71 and (annular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 10:00
S73	38	S71 and (annular with (light or beam))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 10:00
S74	25	("4516022" \| "4617926" \| "4660925" \| "4678268" \| "4733937" \| "4740047").PN. OR ("4842390").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/22 10:01
S75	11	("5381499" \| "5504826" \| "5661835" \| "5963696" \| "6064786" \| "6264377").PN. OR ("6496621").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/22 10:09
S76	705	coupl$3 same (fiber or waveguide or fibre) same (lens with convex)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 10:12
S77	9	coupl$3 same (fiber or waveguide or fibre) same (lens with convex) same (annular with (light or beam))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 10:13
S78	3	(("6459708") or ("5812581") or ("20050013539")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/22 13:18
S79	0	("2005/0013539").URPN.	USPAT	OR	ON	2005/06/22 13:26
S80	410	((annular with (light or beam)) same (fiber or fibre) same lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 13:30
S81	57983	"385"/.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 13:46
S82	1	("6496621").PN.	US-PGPUB; USPAT	OR	OFF	2005/06/22 13:47

EAST Search History

S83	11	("5381499" \| "5504826" \| "5661835" \| "5963696" \| "6064786" \| "6264377").PN. OR ("6496621").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/22 13:47
S84	410	((annular with (light or beam)) same (fiber or fibre) same lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:09
S85	11	((annular with (light or beam)) same (fiber or fibre) same (axicon with lens))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:00
S86	0	("2004/0264854").URPN.	USPAT	OR	ON	2005/06/22 14:01
S87	2	(("3419321") or ("3947093")).PN.	US-PGPUB; USPAT	OR	OFF	2005/06/22 14:06
S88	32	("1988946" \| "3419321" \| "3547526" \| "3632955" \| "3826561").PN. OR ("3947093"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/22 14:07
S89	5795	((annular with (light or beam)) same ((fiber or fibre) with coupl$4 lens))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:09
S90	16	((annular with (light or beam)) same ((fiber or fibre) with coupled with lens))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:11
S91	151	(convex with lens) same coupled same (fiber or fibre) same (source or laser or LED or diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:12
S92	22	(convex with lens) same coupled same (fiber or fibre) same (source or laser or LED or diode) same detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:23
S93	1	("6496621").PN.	US-PGPUB; USPAT	OR	OFF	2005/06/22 14:30

EAST Search History

S94	47	source same ((fiber or fibre) with adjacent with lens) same detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 14:31

EAST Search History

S95	85	(US-20020118920-$ or US-20020134138-$ or US-20030012513-$ or US-20030016420-$ or US-20030053751-$ or US-20030067049-$ or US-20030072526-$ or US-20030113231-$ or US-20030138210-$ or US-20040047535-$ or US-20040101247-$ or US-20040126059-$ or US-20040160682-$ or US-20040264854-$ or US-20050013539-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-3947093-$ or US-4021099-$ or US-4050782-$ or US-4290667-$ or US-4357104-$ or US-4380365-$ or US-4449535-$ or US-4479697-$ or US-4516252-$ or US-4572669-$ or US-4591241-$ or US-4596460-$ or US-4637681-$ or US-4755054-$ or US-4763969-$ or US-4764015-$ or US-4773722-$ or US-4816670-$ or US-4818860-$ or US-4830454-$ or US-4842390-$ or US-4914284-$ or US-4957342-$).did. or (US-4978190-$ or US-5011254-$ or US-5011279-$ or US-5013120-$ or US-5074632-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5432880-$ or US-5436719-$ or US-5546486-$ or US-5598394-$ or US-5631885-$ or US-5652655-$ or US-5764840-$ or US-5773817-$ or US-5900986-$ or US-5946084-$ or US-5953477-$ or US-5963696-$ or US-6144791-$ or US-6168319-$ or US-6172745-$).did. or (US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6320184-$ or US-6366726-$ or US-6469835-$ or US-6490040-$ or US-6496621-$ or US-6538736-$ or US-6614958-$ or US-6701181-$ or US-6731437-$ or US-6822794-$).did. or (US-3514200-$).did. or (GB-2178554-$).did. or (JP-06059165-$).did. or (EP-702230-$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/27 16:05

EAST Search History

S96	22	S95 and (laser same (LED or diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/27 16:18
S97	51	S95 and (source with fiber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/27 16:18

EAST Search History

S98	85	(US-20020118920-$ or US-20020134138-$ or US-20030012513-$ or US-20030016420-$ or US-20030053751-$ or US-20030067049-$ or US-20030072526-$ or US-20030113231-$ or US-20030138210-$ or US-20040047535-$ or US-20040101247-$ or US-20040126059-$ or US-20040160682-$ or US-20040264854-$ or US-20050013539-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-3947093-$ or US-4021099-$ or US-4050782-$ or US-4290667-$ or US-4357104-$ or US-4380365-$ or US-4449535-$ or US-4479697-$ or US-4516252-$ or US-4572669-$ or US-4591241-$ or US-4596460-$ or US-4637681-$ or US-4755054-$ or US-4763969-$ or US-4764015-$ or US-4773722-$ or US-4816670-$ or US-4818860-$ or US-4830454-$ or US-4842390-$ or US-4914284-$ or US-4957342-$).did. or (US-4978190-$ or US-5011254-$ or US-5011279-$ or US-5013120-$ or US-5074632-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5432880-$ or US-5436719-$ or US-5546486-$ or US-5598394-$ or US-5631885-$ or US-5652655-$ or US-5764840-$ or US-5773817-$ or US-5900986-$ or US-5946084-$ or US-5953477-$ or US-5963696-$ or US-6144791-$ or US-6168319-$ or US-6172745-$).did. or (US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6320184-$ or US-6366726-$ or US-6469835-$ or US-6490040-$ or US-6496621-$ or US-6538736-$ or US-6614958-$ or US-6701181-$ or US-6731437-$ or US-6822794-$).did. or (US-3514200-$).did. or (GB-2178554-$).did. or (JP-06059165-$).did. or (EP-702230-$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 08:18

EAST Search History

S99	85	(US-20020118920-$ or US-20020134138-$ or US-20030012513-$ or US-20030016420-$ or US-20030053751-$ or US-20030067049-$ or US-20030072526-$ or US-20030113231-$ or US-20030138210-$ or US-20040047535-$ or US-20040101247-$ or US-20040126059-$ or US-20040160682-$ or US-20040264854-$ or US-20050013539-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-3947093-$ or US-4021099-$ or US-4050782-$ or US-4290667-$ or US-4357104-$ or US-4380365-$ or US-4449535-$ or US-4479697-$ or US-4516252-$ or US-4572669-$ or US-4591241-$ or US-4596460-$ or US-4637681-$ or US-4755054-$ or US-4763969-$ or US-4764015-$ or US-4773722-$ or US-4816670-$ or US-4818860-$ or US-4830454-$ or US-4842390-$ or US-4914284-$ or US-4957342-$).did. or (US-4978190-$ or US-5011254-$ or US-5011279-$ or US-5013120-$ or US-5074632-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5432880-$ or US-5436719-$ or US-5546486-$ or US-5598394-$ or US-5631885-$ or US-5652655-$ or US-5764840-$ or US-5773817-$ or US-5900986-$ or US-5946084-$ or US-5953477-$ or US-5963696-$ or US-6144791-$ or US-6168319-$ or US-6172745-$).did. or (US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6320184-$ or US-6366726-$ or US-6469835-$ or US-6490040-$ or US-6496621-$ or US-6538736-$ or US-6614958-$ or US-6701181-$ or US-6731437-$ or US-6822794-$).did. or (US-3514200-$).did. or (GB-2178554-$).did. or (JP-06059165-$).did. or (EP-702230-$).did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 08:20

EAST Search History

S100	19	S98 and (focal adj point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/28 09:10
S101	1	S98 and ((focal adj point) with detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/28 09:25
S102	0	("2004/0126059").URPN.	USPAT	OR	ON	2005/06/28 08:56
S103	60	S98 and (fiber with lens)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/28 09:10
S104	31	S98 and (ring or annular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/28 09:25
S105	14321	(conical or axicon or plano$convex or (plano near2 convex) or (rotation$3 near2 symmetric)) with (lens$2 or prism)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 14:09
S106	1511	S105 and fiber and (photo$diode or detector or receiver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 14:11
S107	1342	S106 and reflect$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 14:11
S108	170	S106 and ("359"/.298,485,487, 577,580-581,642,708-712, 717-718,720,724,726-728.ccls. or 385/15,31,33-36,38-39,50.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 15:40

EAST Search History

S109	0	("2004/0264855").URPN.	USPAT	OR	ON	2006/01/09 15:26
S110	0	("6961489").URPN.	USPAT	OR	ON	2006/01/09 15:27

EAST Search History

S11 1	245	("20010004414" \| "20030072526" \| "3271631" \| "3419321" \| "3848970" \| "3936742" \| "3980391" \| "4128302" \| "4317085" \| "4408871" \| "4466694" \| "4483585" \| "4490618" \| "4660207" \| "4675058" \| "4678269" \| "4681414" \| "4755036" \| "4765703" \| "4784722" \| "4816912" \| "4818058" \| "4829537" \| "4834484" \| "4842390" \| "4885592" \| "4894785" \| "4901327" \| "4935029" \| "4943128" \| "4943970" \| "4956844" \| "4961622" \| "4976727" \| "5001323" \| "5029101" \| "5029973" \| "5031187" \| "5047076" \| "5052016" \| "5052772" \| "5056098" \| "5062115" \| "5068869" \| "5079774" \| "5115442" \| "5117469" \| "5140605" \| "5157537" \| "5158908" \| "5170406" \| "5212706" \| "5216263" \| "5216680" \| "5237581" \| "5245622" \| "5258990" \| "5262360" \| "5285466" \| "5293392" \| "5312398" \| "5317170" \| "5317587" \| "5325386" \| "5331654" \| "5337074" \| "5337183" \| "5349599" \| "5351256" \| "5354323" \| "5359447" \| "5359618" \| "5363397" \| "5373520" \| "5373522" \| "5376580" \| "5386426" \| "5390209" \| "5396508" \| "5400145" \| "5402258" \| "5404373" \| "5404869" \| "5412678" \| "5412680" \| "5414600" \| "5415652" \| "5416044" \| "5428634" \| "5430634" \| "5438584" \| "5446754" \| "5458594" \| "5465263" \| "5467104" \| "5470314" \| "5475701" \| "5491344" \| "5493577" \| "5495576" \| "5497390" \| "5509095" \| "5513202" \| "5530709" \| "5530715" \| "5555255" \| "5557626" \| "5561683" \| "5567980" \| "5568498" \| "5568499" \| "5574738" \| "5577492" \| "5581571" \| "5586131" \| "5590145" \|	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 15:27

EAST Search History

S112	172	S106 and ("359"/298,485,487, 577,580-581,642,708-712, 717-718,720,724,726-728.ccls. or 385/15,31,33-36,38-39,50.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 15:40
S113	2	S112 not S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 15:40
S114	9	S106 and "359"/652-654.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 15:41
S115	5	S114 not S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 15:41

EAST Search History

S116	758	("1202223" \| "1887650" \| "20010004414" \| "20030016539" \| "20030026002" \| "20030072526" \| "20030075167" \| "20030132495" \| "2101016" \| "2133378" \| "2254961" \| "2362175" \| "2405989" \| "2458401" \| "2474327" \| "2732488" \| "2759393" \| "3185975" \| "3195405" \| "3271631" \| "3409885" \| "3419321" \| "3453036" \| "3497303" \| "3508807" \| "3534462" \| "3547526" \| "3616098" \| "3637993" \| "3649098" \| "3655275" \| "3710091" \| "3718814" \| "3759590" \| "3805048" \| "3809455" \| "3829195" \| "3832030" \| "3848970" \| "3883353" \| "3886544" \| "3901582" \| "3902784" \| "3902786" \| "3910677" \| "3912362" \| "3912364" \| "3931518" \| "3932023" \| "3932184" \| "3933409" \| "3933455" \| "3936141" \| "3936742" \| "3937557" \| "3941121" \| "3941474" \| "3944327" \| "3947093" \| "3954338" \| "3975082" \| "3977764" \| "3980391" \| "3985424" \| "3999855" \| "4011005" \| "4021099" \| "4027945" \| "4040893" \| "4040897" \| "4055458" \| "4057719" \| "4067937" \| "4077701" \| "4078852" \| "4082435" \| "4088387" \| "4089583" \| "4092059" \| "4099848" \| "4102559" \| "4103154" \| "4109998" \| "4118270" \| "4128302" \| "4135780" \| "4137060" \| "4140367" \| "4143940" \| "4159863" \| "4165496" \| "4170731" \| "4173390" \| "4181439" \| "4184739" \| "4193661" \| "4193663" \| "4193664" \| "4213670" \| "4229197" \| "4243399" \| "4246016" \| "4265511" \| "4265699" \| "4290667" \| "4317085" \| "4329017" \| "4337759" \| "4365863" \| "4370021" \| "4398790" \| "4406732" \| "4408871" \| "4412720" \| "4420219" \| "4421383" \|	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/09 15:43

EAST Search History

S117	41	S106 and S116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 15:52
S118	13	S117 not S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 15:50
S119	28	S117 not S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 15:52

EAST Search History

S120	112	(US-20020118920-$ or US-20020134138-$ or US-20030012513-$ or US-20030016420-$ or US-20030053751-$ or US-20030067049-$ or US-20030072526-$ or US-20030113231-$ or US-20030138210-$ or US-20040047535-$ or US-20040101247-$ or US-20040126059-$ or US-20040160682-$ or US-20040264854-$ or US-20050013539-$ or US-20020154413-$ or US-20020191911-$ or US-20030076598-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-3947093-$ or US-4021099-$ or US-4050782-$ or US-4290667-$ or US-4357104-$ or US-4380365-$ or US-4449535-$ or US-4479697-$ or US-4516252-$ or US-4572669-$ or US-4591241-$ or US-4596460-$ or US-4637681-$ or US-4755054-$ or US-4763969-$ or US-4764015-$ or US-4773722-$ or US-4816670-$ or US-4818860-$ or US-4830454-$ or US-4842390-$ or US-4914284-$ or US-4957342-$).did. or (US-4978190-$ or US-5011254-$ or US-5011279-$ or US-5013120-$ or US-5074632-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5432880-$ or US-5436719-$ or US-5546486-$ or US-5598394-$ or US-5631885-$ or US-5652655-$ or US-5764840-$ or US-5773817-$ or US-5900986-$ or US-5946084-$ or US-5953477-$ or US-5963696-$ or US-6144791-$ or US-6168319-$ or US-6172745-$).did. or (US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6320184-$ or US-6366726-$ or US-6469835-$ or US-6490040-$ or US-6496621-$ or US-6538736-$ or US-6614958-$ or US-6701181-$ or US-6731437-$ or US-6822794-$ or US-4102559-$ or US-4128302-$ or US-4178066-$ or US-4181439-$ or US-4496211-$ or US-4818049-$ or US-4834484-$ or US-4846543-$ or US-4892375-$ or US-4961622-$ or US-5101457-$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/09 15:55

EAST Search History

S121	42	S120 and (ring or annular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 16:58
S122	49	S120 and (back with (coupl$3 or reflect$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/09 16:58

EAST Search History

S12 3	112	(US-20020118920-$ or US-20020134138-$ or US-20020154413-$ or US-20020191911-$ or US-20030012513-$ or US-20030016420-$ or US-20030053751-$ or US-20030067049-$ or US-20030072526-$ or US-20030076598-$ or US-20030113231-$ or US-20030138210-$ or US-20040047535-$ or US-20040101247-$ or US-20040126059-$ or US-20040160682-$ or US-20040264854-$ or US-20050013539-$).did. or (US-3796905-$ or US-3906241-$ or US-3910677-$ or US-3947093-$ or US-3980391-$ or US-4021099-$ or US-4050782-$ or US-4102559-$ or US-4128302-$ or US-4178066-$ or US-4181439-$ or US-4290667-$ or US-4357104-$ or US-4380365-$ or US-4406732-$ or US-4449535-$ or US-4479697-$ or US-4496211-$ or US-4516252-$ or US-4572669-$ or US-4591241-$ or US-4596460-$ or US-4637681-$ or US-4755054-$ or US-4763969-$ or US-4764015-$).did. or (US-4773722-$ or US-4816670-$ or US-4818049-$ or US-4818860-$ or US-4830454-$ or US-4834484-$ or US-4842390-$ or US-4846543-$ or US-4892375-$ or US-4914284-$ or US-4957342-$ or US-4961622-$ or US-4978190-$ or US-5011254-$ or US-5011279-$ or US-5013120-$ or US-5074632-$ or US-5101457-$ or US-5146917-$ or US-5196005-$ or US-5247493-$ or US-5250796-$ or US-5269777-$ or US-5330465-$ or US-5402508-$ or US-5402510-$ or US-5432880-$).did. or (US-5436719-$ or US-5546486-$ or US-5598394-$ or US-5631885-$ or US-5652655-$ or US-5764840-$ or US-5773817-$ or US-5815318-$ or US-5896475-$ or US-5900986-$ or US-5946084-$ or US-5953477-$ or US-5963696-$ or US-6075650-$ or US-6144791-$ or US-6168319-$ or US-6172745-$ or US-6174424-$ or US-6208783-$ or US-6222970-$ or US-6320184-$ or US-6349159-$ or US-6366726-$ or US-6438290-$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/10 09:12

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S124	75	S123 and (detector or photo$didoe or receiver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:36
S125	82	S123 and (detector or photo$didoe or receiver or photo$detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 09:35
S126	7	S125 not S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 09:35
S127	81	S123 and focus$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 10:09
S128	59	S127 and S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 10:09
S129	10	(optical adj fiber) same (detector or photo$diode or photo$detector) same (power with radius)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:09
S130	222	(optical adj fiber) same (detector or photo$diode or photo$detector) same (power with (distance or length))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 10:45
S131	88	(optical adj fiber) same (detector or photo$diode or photo$detector) same (power with distance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:03

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S132	3	(optical adj fiber) same (detector or photo$diode or photo$detector) same (power with distance) same splic$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:05
S133	22	(optical adj fiber) same (detector or photo$diode or photo$detector) same distance same splic$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:05
S134	395	(optical adj fiber) same (detector or photo$diode or photo$detector) same ((light or signal) with (annular or ring))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:10
S135	229	(optical adj fiber) same ((detector or photo$diode or photo$detector) with ((light or signal) with (annular or ring)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:24
S136	1	(optical adj fiber) same ((detector or photo$diode or photo$detector) with power with splic$4 with tap$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:27
S137	91	(optical adj fiber) same ((detector or photo$diode or photo$detector) with power with tap$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:27
S138	1352	(optical adj fiber) with (end or butt) with coupl$3 with (detector or photo$diode or photo$detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:28
S139	67	(optical adj fiber) with (end or butt) with coupl$3 with (detector or photo$diode or photo$detector) with power	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:32

EAST Search History

S140	6	(optical adj fiber) with end with (detector or photo$diode or photo$detector) with power with (legth or distance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:36
S141	1195	optical with power with detector with fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 11:36
S142	82	S123 and (detector or photo$didoe or receiver or photo$detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 13:29
S143	81	S123 and focus$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 13:29
S144	29	S123 and (focal adj point)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 13:31
S145	22	S144 and S142	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/10 13:31

PALM INTRANET

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Inventor Name Search Result

Your Search was:

Last Name = CHEN
First Name = BO SU

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08742708	5828056	150	11/01/1996	PHOTOELECTRIC DETECTOR WITH IMPROVED CLEAR CONTAINER FEATURE DETECTION	CHEN, BO SU
08987818	6018159	150	12/10/1997	DIFFERENTIAL CLEAR CONTAINER SENSOR WITH IMPROVED NOISE IMMUNITY	CHEN, BO SU
09102469	Not Issued	162	06/22/1998	METHOD AND APPARATUS FOR SENSING A MAGNETIC FIELD USING A LORENTZ FORCE AND A PIEZOELECTRIC EFFECT	CHEN, BO SU
09545490	6400460	150	04/10/2000	MULTIFUNCTION OPTICAL SENSOR WITH VARIABLE DETECTION THRESHOLD AND NOISE SUPPRESSION	CHEN, BO SU
09631904	6354716	150	08/04/2000	Light curtain device	CHEN, BO SU
10781466	Not Issued	71	02/17/2004	Optical system with reduced back reflection	CHEN, BO SU
60349902	Not Issued	159	01/18/2002	Compact VCSEL sensor with multiple sensing capabilities	CHEN, BO SU

Inventor Search Completed: No Records to Display.

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- Classification codes A: Physics, 4-5
- Classification codes A: Physics, 6
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- Classification codes A: Physics, 8
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